

Docket No. 00962.002US1

Clean Version of Pending Claims

SYSTEM, METHOD, AND SOFTWARE FOR INSERTING

HYPERLINKS INTO DOCUMENTS

Applicant: Douglas T. Rosenoff et al.

Serial No.: 09/237,219

b7c

C

1. (Thrice Amended) A method of automatically inserting hyperlinks into a document, comprising:

- receiving one or more documents;
- searching one or more documents for content having one or more predefined forms, with the predefined forms defined prior to receiving the one or more documents;
- automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having one or more of the predefined forms; and
- generating one or more hyperlinks, with each hyperlink including at least a portion of the content of the one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion of the content.

2. (Thrice Amended) A method of automatically inserting hyperlinks into a document, comprising:

- receiving one or more documents;
- a step for searching one or more documents for content having one or more predefined forms, with the one or more predefined forms defined prior to receiving the one or more documents;
- a step for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the predefined forms; and

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 2
Dkt: 962.002US1

a step for generating one or more hyperlinks, with each hyperlink including at least a portion of the content of one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion of the content.

3. (Thrice Amended) A computer system comprising:
means for searching one or more received documents for content matching one or more predefined forms, with the one or more predefined forms defined prior to receipt of the documents;
means for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the one or more predefined forms; and
means for generating one or more hyperlinks, with each hyperlink including at least a portion of the content of the one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion of the content.

4. (Thrice Amended) A computer system comprising:
a processor;
a memory coupled to the processor, with the memory storing:
a first set of instructions for searching one or more received documents for content having one or more predefined forms, with the one or more predefined forms defined prior to receipt of the one or more documents;
a second set of instructions for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the one or more predefined forms; and
a third set of instructions for generating one or more hyperlinks, with each

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 3
Dkt: 962.002US1

hyperlink including at least a portion of the content of one or more of the marked portions of the documents and identifying a computerized service for use in conducting a search based on the included portion of the content.

5. (Thrice Amended) A computer-readable medium comprising:

a first set of instructions for searching one or more documents for content having one or more predefined forms;
a second set of instructions for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the one or more predefined forms; and
a third set of instructions for generating one or more hyperlinks, with each hyperlink including at least a portion of the content of one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion.

6. (Thrice Amended) An automated method of defining hyperlinks for a document, comprising:

automatically marking one or more portions of the document; and
defining one or more hyperlinks for one or more of the marked portions of the document, with each hyperlink including at least a portion of one of the marked portions of the document and identifying a computerized service for use in conducting a search based on the included portion.

7. The method of claim 6, wherein each hyperlink further includes account information for a user.

8. The method of claim 6, wherein each hyperlink further includes a domain name common to all the hyperlinks.

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 4
Dkt: 962-002US1

9. The method of claim 6, wherein each hyperlink includes a domain name common to all the hyperlinks and information based on a syntactic or semantic analysis of at least a portion of one of the marked portions of the document.

14. (Thrice Amended) A method of defining hyperlinks in a computer system, comprising:
automatically marking a portion of a first document;
defining a hyperlink to point to one of at least two or more destinations based on one or more user preferences; and
associating the defined hyperlink with the marked portion of the first document.

15. (Twice Amended) The method of claim 14:
wherein one or more of the user preferences includes information related to one or more preferred hyperlink destinations, or information related to cost, or information related to access time; and
wherein defining the hyperlink includes selecting the one destination based on the retrieved preferences.

17. (Thrice Amended) A method of automatically inserting hyperlinks into a document, comprising:
searching one or more documents;
automatically marking one or more portions of one or more of the documents based on results of searching the one or more documents; and
generating one or more hyperlinks, with each hyperlink including at least a portion of one of the marked portions and identifying a computerized service for use in conducting a search based on the included portion.

19. The method of claim 1, wherein the one or more predefined forms includes citations to

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 5
Dkt: 962.002US1

printed publications.

20. The method of claim 1, wherein one or more of the marked portions includes a citation to a document, the citation including a volume identifier, a page identifier, and a publication identifier, and wherein at least one of the generated hyperlinks includes the volume, page, and publication identifiers.

21. (Amended) A method of automatically inserting hyperlinks into a document, comprising:
searching one or more documents for content having one or more forms;
automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having one or more of the forms; and
generating one or more hyperlinks, with each hyperlink having a format based on the content of one or more of the marked portions of the documents, wherein one or more of the generated hyperlinks includes at least one query connector.

22. The method of claim 1, wherein one or more of the generated hyperlinks further includes at least one search instruction.

23. (Amended) A method of automatically inserting hyperlinks into a document, comprising:
searching one or more documents for content having one or more forms;
automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having one or more of the forms; and
generating one or more hyperlinks, with one or more of the generated hyperlinks including a search-method identifier.

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 6
Dkt: 962.002US1

24. The method of claim 23, wherein the search-method identifier identifies one of a natural-language search method and a boolean search method.

25. The method of claim 1, wherein one or more of the generated hyperlinks further includes account information for a user.

26. The method of claim 1, wherein one or more of the generated hyperlinks further includes information identifying a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.

27. The method of claim 1, further comprising associating at least one of the generated hyperlinks with at least one of the marked portions.

28. The method of claim 27, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes associating at least one of the generated hyperlinks with at least two of the marked portions.

29. (Amended) The method claim 14:
wherein the one or more user preferences includes information related to cost; and
wherein defining the hyperlink includes selecting the one destination based on cost.

30. (Amended) The method claim 14:
wherein the one or more user preferences includes information related to access time; and
wherein defining the hyperlink includes selecting the one destination based on access time.

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 7
Dkt: 962-002US1

31. The method of claim 14, wherein one of the two or more destinations is within the computer system and another of the two or more destinations is without the computer system.
32. The method of claim 14:
wherein the marked portion includes a citation to a document, the citation including a volume identifier, a page identifier, and a publication identifier; and
wherein the defined hyperlink includes the volume, page, and publication identifiers.
33. The method of claim 14, wherein the defined hyperlink includes at least one query connector.
34. The method of claim 14, wherein the hyperlink further includes at least one search instruction.
35. The method of claim 14, wherein the hyperlink identifies one of a natural-language search method and a boolean search method.
36. The method of claim 14, wherein the hyperlink further includes account information for a user.
37. The method of claim 14, wherein the hyperlink further includes information regarding a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.
38. The method of claim 14, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes associating at least one of the generated hyperlinks with at least two of the marked portions.

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 8
Dkt: 962.002US1

39. The method of claim 17, further comprising associating at least one of the generated hyperlinks with at least one of the marked portions.

40. The method of claim 39, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes associating at least one of the generated hyperlinks with at least two of the marked portions.

41. (Amended) The method of claim 40, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes anchoring at least one of the generated hyperlinks to at least one of the marked portions.

42. The method of claim 17, wherein searching the one or more documents comprises searching for citations to other documents.

43. The method of claim 17, wherein searching the one or more documents comprises searching for citations to other documents.

44. The method of claim 17, wherein searching the one or more documents comprises searching for proper names.

45. The method of claim 17:
wherein one or more of the marked portions include a citation to a document, with the citation including a page identifier and a publication identifier; and
wherein at least one of the hyperlinks includes the page and publication identifiers.

46. The method of claim 17, wherein at least one of the hyperlinks includes at least one query connector.

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.11
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 9
Dkt: 962.002US1

47. The method of claim 17, wherein at least one of the hyperlinks identifies one of a natural-language search method and a boolean search method.

48. The method of claim 17, wherein at least one of hyperlinks further includes account information for a user.

49. The method of claim 17, wherein at least one of the hyperlinks further includes information regarding a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.

50. (New) A method comprising:
automatically marking one or more portions of a document; and
generating one or more hyperlinks, with each hyperlink associated with at least one of the marked portions and each hyperlink having a URL that includes at least a portion of one of the marked portions.

51. (New) The method of claim 50;
wherein automatically marking one or more portions of a document comprises marking one or more citations to other documents in the document; and
wherein each hyperlink associated with a marked citation has a URL that includes at least a portion of the marked citation.

52. (New) The method of claim 51, wherein one or more of the citations includes a page identifier and a publication identifier.

53. (New) The method of claim 50, wherein automatically marking one or more portions of a document comprises marking proper names in the document.

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 10
Dkt: 962.002US1

54. (New) The method of claim 50, wherein the URL for at least one of the generated hyperlinks identifies a computerized service for use in conducting a search based on the included portion.
55. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks includes at least one query connector.
56. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks identifies one of a natural-language search method and a boolean search method.
57. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks includes account information for a user.
58. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks includes information regarding a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.
59. (New) The method of claim 50, wherein the URL does not identify a logical name for a document in a database.
60. (New) A machine-readable medium comprising instructions for implementing the method of claim 50.

CLEAN VERSION OF PENDING CLAIMS - AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 09/237,219
Filing Date: January 25, 1999
Title: SYSTEM, METHOD, AND SOFTWARE FOR INSERTING HYPERLINKS INTO DOCUMENTS

Page 11
Dkt: 962.002US1

61. (New) Apparatus comprising:

means for automatically marking one or more portions of a document; and
means for generating one or more hyperlinks, with each hyperlink associated with at least
one of the marked portions and each hyperlink having a URL that includes at least
a portion of one of the marked portions.